



Summer 2012

The Amygdala and Autism

Melissa Sosa

University of Pennsylvania

Follow this and additional works at: http://repository.upenn.edu/showcase_posters

 Part of the [Medicine and Health Sciences Commons](#)

Recommended Citation

Sosa, M. (2012, July 01). The Amygdala and Autism. Retrieved from http://repository.upenn.edu/showcase_posters/13

This paper is posted at ScholarlyCommons. http://repository.upenn.edu/showcase_posters/13

For more information, please contact libraryrepository@pobox.upenn.edu.

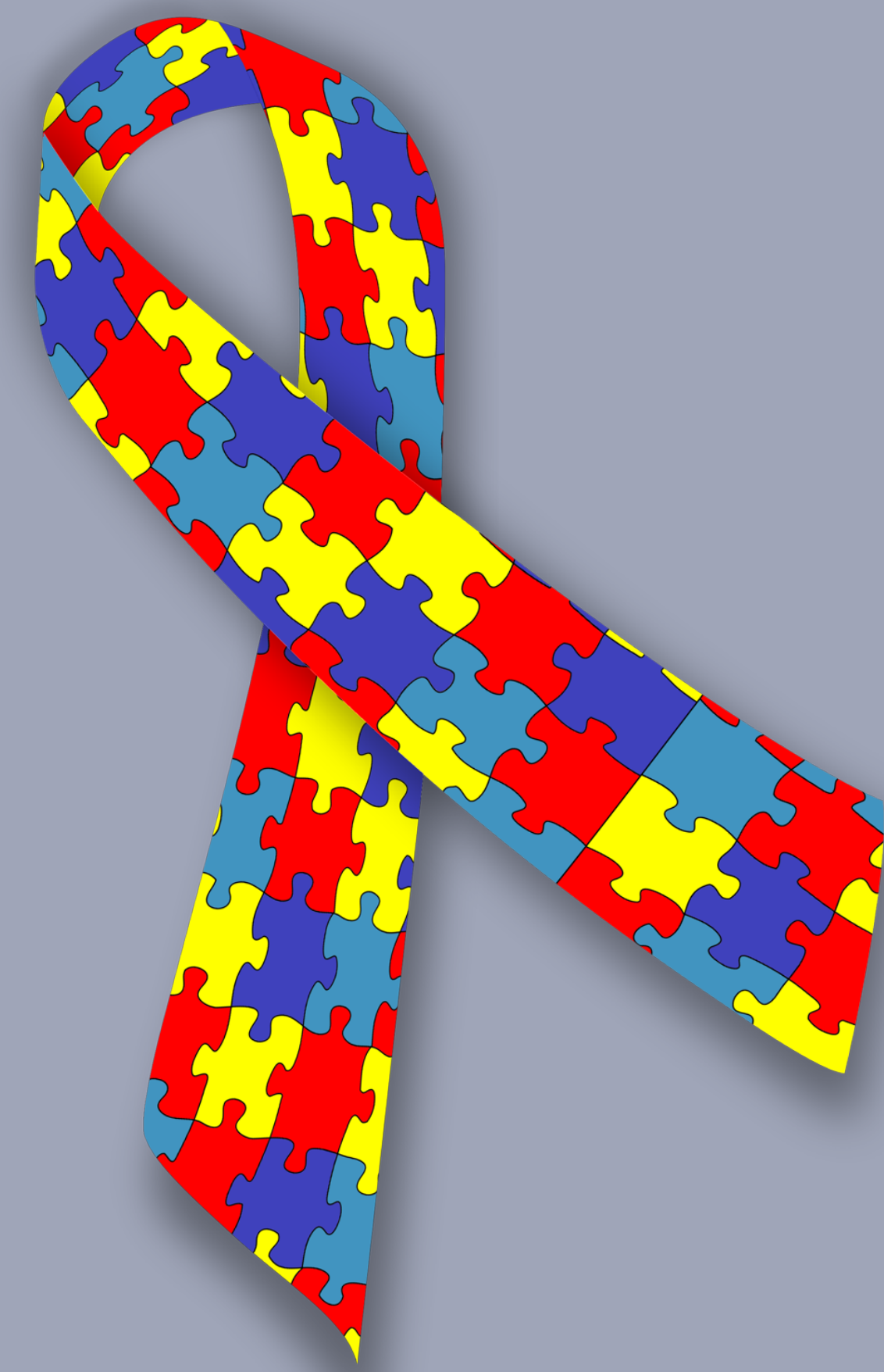


The Amygdala and Autism

Melissa L. Sosa, University of Pennsylvania



Background



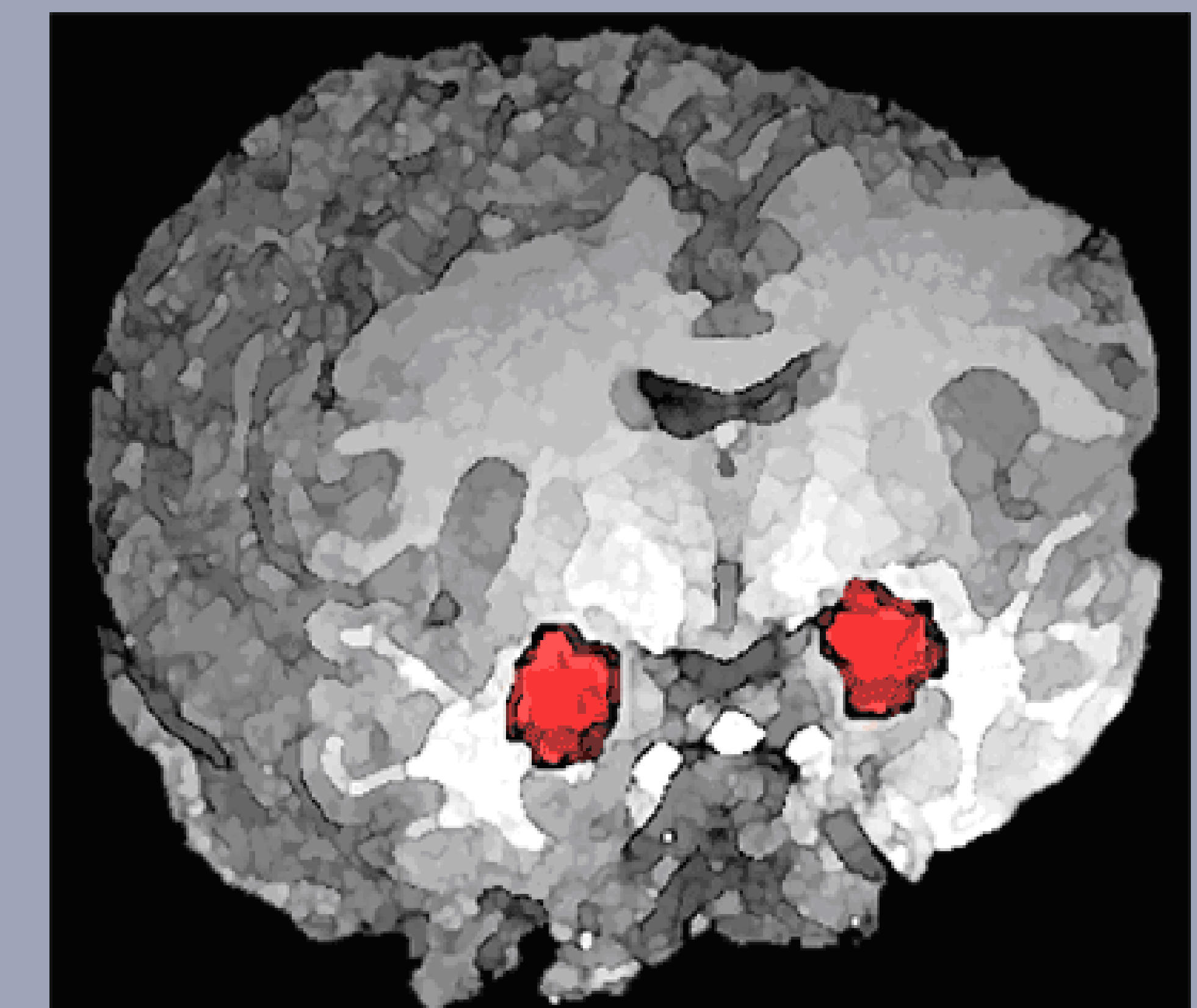
- Spectrum of disorders characterized by social and emotional deficiency
- The amygdala is related to the social and emotional deficits in autism.
- Strong debate over the effect of the volume of the amygdala.

Question

What is the relationship between amygdala volume and the social and emotional symptoms (e.g. social withdrawal and anxiety) of autism spectrum disorders?



Methodology



- Tracing amygdala from MRI scans using computer software
- Run statistical analysis using linear models
- Compare amygdala volume to results of social and emotional deficiency diagnostic tools